

IN THE SPECIFICATION

Please amend the paragraph beginning at Page 20, Line 12 as follows:

Thereafter, processing system 100 may loop back to process step 310 until a sufficient number of loops have been performed to ensure that the data in histogram file 250 is an accurate reflection of the real-world memory access usage of the selected memory configuration. Again, the number of loops may be user-defined or execution of the loop may terminate when the user design criteria are adequately met by one or more of the memory configurations determined by processing system ~~10~~ 100 (process step 350).